

ABSTRACT

The present invention provides a complex that includes a virion having a ligand that recognizes an epitope present on an immune effector cell surface and at least a first nucleic acid encoding a first non-native antigen. The invention also
5 provides a library including a plurality of such complexes, in which antigens of at least two of the plurality are different. Using such reagents, the invention provides a method of precipitating an immune response within an immune effector cell, wherein such a complex is delivered to the cell under conditions sufficient for the cell to mount an immune response to the antigen. When applied *in vivo*, the
10 method can serve to immunize an animal from the pathogen. Moreover, using a library including a plurality of complexes, which contains at least one test antigen, the invention provides a method of assessing the antigenicity of the test antigen.

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